(30) Priority Data:

09/281,171

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7: WO 00/58970 (11) International Publication Number: G11C 11/16 A2 (43) International Publication Date: 5 October 2000 (05.10.00)

US

(21) International Application Number: PCT/US00/08473

(22) International Filing Date: 30 March 2000 (30.03.00)

30 March 1999 (30,03,99)

(71) Applicant: CARNEGIE MELLON UNIVERSITY [US/US]; 5000 Forbes Avenue, Pittsburgh, PA 15213 (US).

(72) Inventors: ZHU, Jian-Gang; 317 Marberry Drive, Pittsburgh, PA 15215 (US). ZHENG, Youfeng; 5979 Alder Street, Apartment #3, Pittsburgh, PA 15232 (US). PRINZ, Gary, A.; 1789 Duffield Lane, Alexandria, VA 22307 (US).

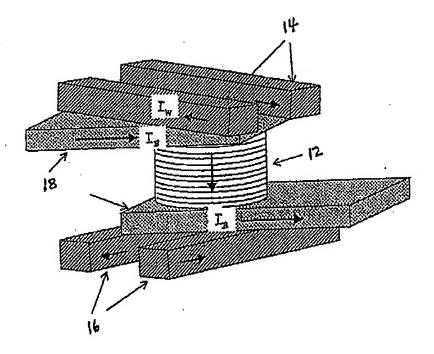
74) Agents: WOLF, Darren, B. et al.; Kirkpatrick & Lockhart LLP, Henry W. Oliver Building, 535 Smithfield Street, Pittsburgh, PA 15222-2312 (US).

(81) Designated States: JP, KP, KR, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).

Published

Without international search report and to be republished upon receipt of that report.

(54) Title: MAGNETIC DEVICE AND METHOD OF FORMING SAME



(57) Abstract

A device including a magnetic material having a magnetization configuration that is circular in a plane, and a word line for producing a magnetic field in the plane, the magnetic field being radial with respect to a point in the plane and within the circular magnetization configuration.